

Phylogenetic structure of *Salmonella* Enteritidis provides context for a foodborne outbreak in Peru

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Supplementary information file 1. Metadata for the 180 *Salmonella* Enteritidis strains isolated in Peru in this study.

| ID | INS code | NCBI Accesion number | Year of isolation | Source of isolation | Peruvian region of isolation | HierBAPS análisis population | φSE20 regions | spvB genes | shdA genes | ssal genes | pefB genes |
|------------|------------|----------------------|-------------------|---------------------|------------------------------|------------------------------|---------------|------------|------------|------------|------------|
| FD01848527 | 2.558-2001 | VNEW00000000 | 2001 | Clinical | Puno | 1 | - | + | - | + | + |
| FD01848531 | 2.615-2001 | VMYN00000000 | 2001 | Clinical | Arequipa | 1 | + | + | - | + | + |
| FD01848532 | 2.629-2001 | VMYL00000000 | 2001 | Clinical | Arequipa | 1 | + | + | - | - | + |
| FD01848534 | 1.188-2002 | VNED00000000 | 2002 | Clinical | Lima | 1 | + | + | - | + | + |
| FD01848537 | 2.089-2002 | VNFA00000000 | 2002 | Clinical | Tumbes | 1 | + | + | - | - | + |
| FD01848539 | 1.084-2002 | VNCN00000000 | 2002 | Clinical | Lima | 1 | + | + | - | - | + |
| FD01848540 | 3.081-2002 | VNBG00000000 | 2002 | Environmental | Lima | 1 | - | + | - | + | + |
| FD01848542 | 2.137-2002 | VMYO00000000 | 2002 | Clinical | Arequipa | 1 | + | + | - | + | + |
| FD01848543 | 2.139-2002 | VMYM00000000 | 2002 | Clinical | Arequipa | 1 | + | + | - | - | + |
| FD01848544 | 2.149-2002 | VNAK00000000 | 2002 | Clinical | Lambayeque | 1 | + | + | - | + | + |
| FD01848545 | 3.153-2002 | VNBH00000000 | 2002 | Environmental | Lima | 1 | - | + | - | + | + |
| FD01848546 | 3.154-2002 | VNEE00000000 | 2002 | Environmental | Lima | 1 | + | + | - | + | + |
| FD01848547 | 3.155-2002 | VNEF00000000 | 2002 | Environmental | Lima | 1 | + | + | - | + | + |
| FD01848548 | 2.225-2002 | VNAE00000000 | 2002 | Clinical | Lambayeque | 1 | + | + | - | - | + |
| FD01848549 | 2.227-2002 | VMZW00000000 | 2002 | Clinical | Lambayeque | 1 | - | + | - | + | + |
| FD01848550 | 3.250-2002 | VNEG00000000 | 2002 | Environmental | Lima | 1 | + | + | - | + | + |
| FD01848551 | 3.251-2002 | VNCO00000000 | 2002 | Environmental | Lima | 1 | + | + | - | - | + |
| FD01848553 | 1.363-2002 | VNEH00000000 | 2002 | Clinical | Lima | 1 | + | + | - | + | + |
| FD01848619 | 2.840-1999 | VMZN00000000 | 1999 | Clinical | La Libertad | 1 | - | + | - | - | + |
| FD01848703 | 2.842-2001 | VMZH00000000 | 2001 | Clinical | Cusco | 1 | + | + | + | - | + |
| FD01848708 | 2.850-2001 | VMZG00000000 | 2001 | Clinical | Cusco | 1 | - | + | + | - | + |
| FD01848711 | 1.960-2001 | VNCP00000000 | 2001 | Clinical | Lima | 1 | + | - | - | - | + |
| FD01851395 | 1.159-2010 | VNEI00000000 | 2010 | Clinical | Lima | 1 | + | + | - | + | + |
| FD01851396 | 1.167-2010 | VNCQ00000000 | 2010 | Clinical | Lima | 1 | + | + | - | - | + |
| FD01851402 | 3.195-2010 | VNCR00000000 | 2010 | Environmental | Lima | 1 | + | + | - | - | + |
| FD01852575 | 1.463-2013 | VNAV00000000 | 2013 | Clinical | Lima | 1 | - | + | - | - | + |
| FD01852680 | 1.674-2012 | VNEJ00000000 | 2012 | Clinical | Lima | 1 | + | + | - | + | + |
| FD01852682 | 1.688-2012 | VNCS00000000 | 2012 | Clinical | Lima | 1 | + | + | - | - | + |
| FD01852714 | 1.123-2013 | VNBI00000000 | 2013 | Clinical | Lima | 1 | - | - | - | + | + |

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|------------|-------------|--------------|------|---------------|---------------|---|---|---|---|---|---|
| FD01852716 | 1.125-2013 | VNAW00000000 | 2013 | Clinical | Lima | 1 | - | + | - | - | + |
| FD01852722 | 1.134-2013 | VNCT00000000 | 2013 | Clinical | Lima | 1 | + | + | - | - | + |
| FD01852725 | 1.142-2013 | VNCU00000000 | 2013 | Clinical | Lima | 1 | + | + | - | - | + |
| FD01852726 | 1.143-2013 | VNAX00000000 | 2013 | Clinical | Lima | 1 | - | + | - | - | + |
| FD01852859 | 1.324-2010 | VNAY00000000 | 2010 | Clinical | Lima | 1 | - | + | - | - | + |
| FD01852894 | 1.546-2010 | VNEK00000000 | 2010 | Clinical | Lima | 1 | + | + | - | + | + |
| FD01852909 | 1.569-2010 | VNEV00000000 | 2010 | Clinical | NA | 1 | + | + | - | + | + |
| SRR4098714 | NA | SRR4098714 | 2008 | Animal | NA | 1 | + | + | - | - | + |
| FD01875488 | 3.569-2017 | VNEL00000000 | 2017 | Environmental | Lima | 2 | + | + | - | + | + |
| FD01875498 | 3.572-2017 | VNEM00000000 | 2017 | Environmental | Lima | 2 | + | + | - | + | + |
| FD01846462 | 1.127-2017 | VNCV00000000 | 2017 | Clinical | Lima | 3 | + | + | - | + | + |
| FD01848592 | 2.169-2005 | VNEX00000000 | 2005 | Clinical | Tacna | 3 | + | + | - | - | + |
| FD01848595 | 1.190-2005 | VNCW00000000 | 2005 | Clinical | Lima | 3 | + | + | - | + | + |
| FD01848618 | 2.848-1999 | VMZO00000000 | 1999 | Clinical | La Libertad | 3 | + | + | - | - | + |
| FD01848626 | 2.352-1999 | VMZM00000000 | 1999 | Clinical | La Libertad | 3 | - | + | - | - | + |
| FD01848665 | 4.064-2000 | VMZJ00000000 | 2000 | Environmental | Junin | 3 | - | + | + | + | + |
| FD01848668 | 2.390-2000 | VNCX00000000 | 2000 | Clinical | Lima | 3 | + | + | - | + | + |
| FD01848669 | 2.391-2000 | VNCY00000000 | 2000 | Clinical | Lima | 3 | + | + | - | + | + |
| FD01848671 | 1.235-2000 | VNBJ00000000 | 2000 | Clinical | Lima | 3 | + | - | + | + | + |
| FD01848685 | 2.004-2001 | VMZP00000000 | 2001 | Clinical | La Libertad | 3 | + | + | - | - | + |
| FD01848686 | 2.015-2001 | VMZT00000000 | 2001 | Clinical | La Libertad | 3 | + | + | - | + | + |
| FD01848688 | 2.288-2001 | VNEO00000000 | 2001 | Clinical | Moquegua | 3 | + | - | - | + | + |
| FD01851321 | 3.052-2009 | VNCZ00000000 | 2009 | Environmental | Lima | 3 | + | + | - | + | + |
| FD01851329 | 2.163-2009 | VMYQ00000000 | 2009 | Clinical | Cajamarca | 3 | - | + | - | + | + |
| FD01851339 | 1.322-2009 | VNAM00000000 | 2009 | Clinical | Lima | 3 | - | - | - | - | + |
| FD01851347 | 3.454-2009 | VNBL00000000 | 2009 | Environmental | Lima | 3 | + | + | - | - | + |
| FD01851367 | 3.084-2008 | VNBM00000000 | 2008 | Environmental | Lima | 3 | + | + | - | - | + |
| FD01851370 | 2.171-2008 | VNEN00000000 | 2008 | Clinical | Madre de Dios | 3 | + | + | - | - | + |
| FD01851372 | 2.226-2008 | VMYP00000000 | 2008 | Clinical | Cajamarca | 3 | - | + | - | - | + |
| FD01851382 | 1.719-2009 | VNAN00000000 | 2009 | Clinical | Lima | 3 | - | + | - | - | + |
| FD01851384 | 1.780-2009 | VNBN00000000 | 2009 | Clinical | Lima | 3 | + | + | - | - | + |
| FD01851393 | 1.152-2010 | VNBO00000000 | 2010 | Clinical | Lima | 3 | + | + | - | - | + |
| FD01851421 | 2.832-2007 | VNAF00000000 | 2007 | Clinical | Lambayeque | 3 | + | + | - | + | + |
| FD01851423 | 1.864-2007 | VNDA00000000 | 2007 | Clinical | Lima | 3 | + | + | - | + | + |
| FD01851435 | 2.962-2007 | VMZK00000000 | 2007 | Clinical | Junin | 3 | + | + | - | - | + |
| FD01851437 | 1.1148-2007 | VNDB00000000 | 2007 | Clinical | Lima | 3 | + | + | - | + | + |
| FD01851438 | 1.1194-2007 | VNPB00000000 | 2007 | Clinical | Lima | 3 | + | + | - | - | + |
| FD01851504 | 1.599-2005 | VNDG00000000 | 2005 | Clinical | Lima | 3 | + | + | - | + | + |
| FD01851523 | 2.011-2006 | VNAG00000000 | 2006 | Clinical | Lambayeque | 3 | + | + | - | + | + |
| FD01851524 | 2.012-2006 | VMZX00000000 | 2006 | Clinical | Lambayeque | 3 | + | + | - | - | + |
| FD01851525 | 2.015-2006 | VNAH00000000 | 2006 | Clinical | Lambayeque | 3 | + | + | - | + | + |
| FD01851540 | 2.301-2006 | VMZQ00000000 | 2006 | Clinical | La Libertad | 3 | + | + | - | - | + |

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| FD01851551 | 2.469-2006 | VMZI00000000 | 2006 | Clinical | Iquitos | 3 | + | + | - | + | + |
| FD01851556 | 3.519-2006 | VNBQ00000000 | 2006 | Environmental | Lima | 3 | + | + | - | - | + |
| FD01851565 | 1.064-2007 | VNDD00000000 | 2007 | Clinical | Lima | 3 | + | + | - | + | + |
| FD01851569 | 2.125-2007 | VMZR00000000 | 2007 | Clinical | La Libertad | 3 | + | - | - | - | + |
| FD01851572 | 1.193-2007 | VNBK00000000 | 2007 | Clinical | Lima | 3 | + | + | + | + | + |
| FD01851573 | 1.194-2007 | VNBR00000000 | 2007 | Clinical | Lima | 3 | + | - | - | - | + |
| FD01851574 | 1.195-2007 | VNAZ00000000 | 2007 | Clinical | Lima | 3 | - | - | - | + | + |
| FD01851581 | 1.281-2007 | VNDE00000000 | 2007 | Clinical | Lima | 3 | + | - | - | + | + |
| FD01851591 | 1.490-2007 | VNDF00000000 | 2007 | Clinical | Lima | 3 | + | + | - | + | + |
| FD01852463 | 1.167-2015 | VNBA00000000 | 2015 | Clinical | Lima | 3 | - | + | - | + | + |
| FD01852486 | 1.458-2015 | VNDG00000000 | 2015 | Clinical | Lima | 3 | + | + | - | + | + |
| FD01852507 | 2.205-2016 | VMYS00000000 | 2016 | Clinical | Cajamarca | 3 | + | + | - | + | + |
| FD01852516 | 1.303-2016 | VNBB00000000 | 2016 | Clinical | Lima | 3 | - | - | - | + | + |
| FD01852527 | 1.428-2016 | VNDH00000000 | 2016 | Clinical | Lima | 3 | + | - | - | + | + |
| FD01852540 | 1.010-2017 | VNEP00000000 | 2017 | Clinical | NA | 3 | + | + | - | - | + |
| FD01852547 | 1.024-2017 | VNAL00000000 | 2017 | Clinical | Lima | 3 | - | - | + | + | + |
| FD01852560 | 1.376-2013 | VNDI00000000 | 2013 | Clinical | Lima | 3 | + | + | - | + | + |
| FD01852561 | 1.378-2013 | VNES00000000 | 2013 | Clinical | NA | 3 | + | - | - | + | + |
| FD01852563 | 2.390-2013 | VMYK00000000 | 2013 | Clinical | Apurimac | 3 | + | + | - | + | + |
| FD01852565 | 2.393-2013 | VMYJ00000000 | 2013 | Clinical | Apurimac | 3 | - | + | - | - | + |
| FD01852577 | 1.515-2013 | VNDJ00000000 | 2013 | Clinical | Lima | 3 | + | + | - | + | + |
| FD01852580 | 1.537-2013 | VNET00000000 | 2013 | Clinical | NA | 3 | + | + | - | + | + |
| FD01852581 | 1.577-2013 | VNEQ00000000 | 2013 | Clinical | NA | 3 | + | + | - | - | + |
| FD01852596 | 2.196-2014 | VMYT00000000 | 2014 | Clinical | Cajamarca | 3 | + | + | - | + | + |
| FD01852609 | 2.578-2014 | VMYU00000000 | 2014 | Clinical | Cajamarca | 3 | + | + | - | + | + |
| FD01852618 | 1.670-2014 | VNEU00000000 | 2014 | Clinical | NA | 3 | + | - | - | + | + |
| FD01852623 | 1.693-2014 | VNDK00000000 | 2014 | Clinical | Lima | 3 | + | + | - | + | + |
| FD01852628 | 1.002-2015 | VNBC00000000 | 2015 | Clinical | Lima | 3 | - | + | - | + | + |
| FD01852632 | 1.029-2015 | VNDL00000000 | 2015 | Clinical | Lima | 3 | + | + | - | + | + |
| FD01852635 | 1.038-2015 | VNBS00000000 | 2015 | Clinical | Lima | 3 | + | + | - | - | + |
| FD01852676 | 1.614-2012 | VNDM00000000 | 2012 | Clinical | Lima | 3 | + | + | - | + | + |
| FD01852677 | 1.615-2012 | VNAO00000000 | 2012 | Clinical | Lima | 3 | - | + | - | - | + |
| FD01852717 | 1.127-2013 | VNBD00000000 | 2013 | Clinical | Lima | 3 | - | + | - | + | + |
| FD01852720 | 1.130-2013 | VNBE00000000 | 2013 | Clinical | Lima | 3 | - | + | - | + | + |
| FD01852727 | 1.145-2013 | VNBT00000000 | 2013 | Clinical | Lima | 3 | + | + | - | - | + |
| FD01852728 | 1.147-2013 | VNAP00000000 | 2013 | Clinical | Lima | 3 | - | - | - | - | + |
| FD01852803 | 1.002-2012 | VNAQ00000000 | 2012 | Clinical | Lima | 3 | - | - | - | - | + |
| FD01852804 | 2.012-2012 | VMYG00000000 | 2012 | Clinical | Ancash | 3 | + | + | - | + | + |
| FD01852810 | 1.063-2012 | VNUB00000000 | 2012 | Clinical | Lima | 3 | + | - | - | - | - |
| FD01852811 | 1.064-2012 | VNAR00000000 | 2012 | Clinical | Lima | 3 | - | + | - | - | + |
| FD01852815 | 2.171-2012 | VNEZ00000000 | 2012 | Clinical | Tumbes | 3 | + | + | - | - | + |
| FD01852820 | 1.211-2012 | VNER00000000 | 2012 | Clinical | NA | 3 | + | + | - | - | + |
| FD01852829 | 2.331-2012 | VMYR00000000 | 2012 | Clinical | Cajamarca | 3 | + | + | - | - | + |

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| FD01852830 | 1.335-2012 | VNDN00000000 | 2012 | Clinical | Lima | 3 | + | + | - | + | + |
| FD01852831 | 1.337-2012 | VNDO00000000 | 2012 | Clinical | Lima | 3 | + | + | - | + | + |
| FD01852834 | 1.344-2012 | VNVB00000000 | 2012 | Clinical | Lima | 3 | + | + | - | - | + |
| FD01852836 | 1.350-2012 | VNBW00000000 | 2012 | Clinical | Lima | 3 | + | + | - | - | + |
| FD01852853 | 1.253-2010 | VNBX00000000 | 2010 | Clinical | Lima | 3 | + | + | - | - | + |
| FD01852854 | 1.259-2010 | VNBY00000000 | 2010 | Clinical | Lima | 3 | + | + | - | - | + |
| FD01852855 | 1.265-2010 | VNBZ00000000 | 2010 | Clinical | Lima | 3 | + | + | - | - | + |
| FD01852920 | 1.595-2010 | VNCA00000000 | 2010 | Clinical | Lima | 3 | + | + | - | - | + |
| FD01852926 | 1.631-2010 | VNDP00000000 | 2010 | Clinical | Lima | 3 | + | + | - | + | + |
| FD01852927 | 2.646-2010 | VMZS00000000 | 2010 | Clinical | La Libertad | 3 | + | + | - | - | + |
| FD01852928 | 2.649-2010 | VMZU00000000 | 2010 | Clinical | La Libertad | 3 | + | + | - | + | + |
| FD01852934 | 1.001-2011 | VNDQ00000000 | 2011 | Clinical | Lima | 3 | + | + | - | + | + |
| FD01872662 | 1.184-2017 | VNDR00000000 | 2017 | Clinical | Lima | 3 | + | + | - | + | + |
| 892 | 6.892-2018 | VMYW00000000 | 2018 | Clinical | Callao | 4 | + | + | + | - | + |
| 893 | 6.893-2018 | VMZC00000000 | 2018 | Clinical | Callao | 4 | + | + | + | + | + |
| 894 | 6.894-2018 | VMYX00000000 | 2018 | Clinical | Callao | 4 | + | + | + | - | + |
| 895 | 6.895-2018 | VMYY00000000 | 2018 | Clinical | Callao | 4 | + | + | + | - | + |
| 898 | 6.898-2018 | VMZA00000000 | 2018 | Clinical | Callao | 4 | + | + | + | - | + |
| 902 | 6.902-2018 | VMYZ00000000 | 2018 | Clinical | Callao | 4 | + | + | + | - | + |
| 4001 | 4.001-2019 | VMZD00000000 | 2018 | Food | Callao | 4 | + | + | + | + | + |
| 4002 | 4.002-2019 | VMZE00000000 | 2018 | Food | Callao | 4 | + | + | + | + | + |
| 4003 | 4.003-2019 | VMZB00000000 | 2018 | Food | Callao | 4 | + | + | + | - | + |
| FD01851371 | 1.185-2008 | VNCB00000000 | 2008 | Clinical | Lima | 4 | + | - | - | - | + |
| FD01851449 | 3.124-2008 | VNDS00000000 | 2008 | Clinical | Lima | 4 | + | - | - | + | + |
| FD01851464 | 1.436-2008 | VNDT00000000 | 2008 | Clinical | Lima | 4 | + | + | - | + | + |
| FD01851475 | 2.620-2008 | VMZL00000000 | 2008 | Clinical | Junin | 4 | + | + | - | + | + |
| FD01851486 | 2.742-2008 | VMZY00000000 | 2008 | Clinical | Lambayeque | 4 | + | + | - | - | + |
| FD01851531 | 2.166-2006 | VNAI00000000 | 2006 | Clinical | Lambayeque | 4 | + | + | - | + | + |
| FD01852472 | 1.333-2015 | VNDU00000000 | 2015 | Clinical | Lima | 4 | + | + | - | + | + |
| FD01852477 | 6.383-2015 | VNCC00000000 | 2015 | Clinical | Lima | 4 | + | + | - | - | + |
| FD01852480 | 2.440-2015 | VMZZ00000000 | 2015 | Clinical | Lambayeque | 4 | + | + | - | - | + |
| FD01852481 | 2.442-2015 | VNAA00000000 | 2015 | Clinical | Lambayeque | 4 | + | + | - | - | + |
| FD01852482 | 1.453-2015 | VNCD00000000 | 2015 | Clinical | Lima | 4 | + | + | - | - | + |
| FD01852487 | 1.472-2015 | VNDV00000000 | 2015 | Clinical | Lima | 4 | + | + | - | + | + |
| FD01852493 | 1.533-2015 | VNDW00000000 | 2015 | Environmental | Lima | 4 | + | + | - | + | + |
| FD01852526 | 2.400-2016 | VMYV00000000 | 2016 | Clinical | Cajamarca | 4 | + | - | - | + | + |
| FD01852550 | 3.054-2017 | VNCE00000000 | 2017 | Environmental | Lima | 4 | + | + | - | - | + |
| FD01852551 | 3.055-2017 | VNCF00000000 | 2017 | Environmental | Lima | 4 | + | + | - | - | + |
| FD01852555 | 2.358-2013 | VMYF00000000 | 2013 | Clinical | Ancash | 4 | + | + | - | - | + |
| FD01852584 | 1.603-2013 | VNDX00000000 | 2013 | Clinical | Lima | 4 | + | + | - | + | + |
| FD01852585 | 1.604-2013 | VNCG00000000 | 2013 | Clinical | Lima | 4 | + | + | - | - | - |
| FD01852588 | 1.036-2014 | VNDY00000000 | 2014 | Clinical | Lima | 4 | + | + | - | + | + |
| FD01852606 | 1.489-2014 | VNCH00000000 | 2014 | Clinical | Lima | 4 | + | + | - | - | + |

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|------------|------------|--------------|------|----------|------------|---|---|---|---|---|---|
| FD01852607 | 1.490-2014 | VNDZ00000000 | 2014 | Clinical | Lima | 4 | + | + | - | + | + |
| FD01852629 | 1.009-2015 | VNEA00000000 | 2015 | Clinical | Lima | 4 | + | - | - | + | + |
| FD01852636 | 1.060-2015 | VNBF00000000 | 2015 | Clinical | Lima | 4 | - | - | - | + | + |
| FD01852643 | 1.086-2015 | VNCI00000000 | 2015 | Clinical | Lima | 4 | + | + | - | - | + |
| FD01852648 | 1.122-2015 | VNEB00000000 | 2015 | Clinical | Lima | 4 | + | - | - | + | + |
| FD01852652 | 1.388-2012 | VNCJ00000000 | 2012 | Clinical | Lima | 4 | + | + | - | - | + |
| FD01852663 | 1.576-2012 | VNCK00000000 | 2012 | Clinical | Lima | 4 | + | - | - | - | + |
| FD01852667 | 2.582-2012 | VNAB00000000 | 2012 | Clinical | Lambayeque | 4 | + | - | - | - | + |
| FD01852668 | 2.583-2012 | VNAC00000000 | 2012 | Clinical | Lambayeque | 4 | + | - | - | - | + |
| FD01852669 | 2.584-2012 | VNAJ00000000 | 2012 | Clinical | Lambayeque | 4 | + | + | - | + | + |
| FD01852670 | 2.587-2012 | VMZV00000000 | 2012 | Clinical | Lambayeque | 4 | - | - | - | - | + |
| FD01852672 | 2.590-2012 | VNAD00000000 | 2012 | Clinical | Lambayeque | 4 | + | + | - | - | + |
| FD01852696 | 1.790-2012 | VNAS00000000 | 2012 | Clinical | Lima | 4 | - | + | - | - | + |
| FD01852698 | 1.798-2012 | VNCL00000000 | 2012 | Clinical | Lima | 4 | + | + | - | - | + |
| FD01852708 | 1.114-2013 | VNAT00000000 | 2013 | Clinical | Lima | 4 | - | + | - | - | + |
| FD01852711 | 1.118-2013 | VNEC00000000 | 2013 | Clinical | Lima | 4 | + | + | - | + | + |
| FD01852745 | 2.355-2013 | VMYH00000000 | 2013 | Clinical | Ancash | 4 | + | + | - | + | + |
| FD01852746 | 2.357-2013 | VMYI00000000 | 2013 | Clinical | Ancash | 4 | + | + | - | + | + |
| FD01852817 | 2.179-2012 | VNEY00000000 | 2012 | Clinical | Tumbes | 4 | - | - | - | - | + |
| FD01852819 | 2.181-2012 | VNFB00000000 | 2012 | Clinical | Tumbes | 4 | + | + | - | + | + |
| FD01852827 | 1.298-2012 | VMZF00000000 | 2012 | Clinical | Callao | 4 | + | + | - | + | + |
| FD01852828 | 1.327-2012 | VNCM00000000 | 2012 | Clinical | Lima | 4 | + | + | - | - | + |
| FD01872698 | 1.207-2017 | VNAU00000000 | 2017 | Clinical | Lima | 4 | - | + | - | - | + |

NA: Not available

+: Presence of the genes

-: Absence of the genes